Table VII – A Applicable Limits and Compliance Monitoring Requirements S-1, S-3, S-5 TURBINES S-2, S-4, S-6 HEAT RECOVERY STEAM GENERATORS

		9	Future		Monitoring	Monitoring		Compli	iance
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes 181	No
NO,	BAAQMD	N		125 ppm	BAAQMD	С	СЕМ	х	
•	9-3-303				1-520.1				
	BAAQMD	N		0.15 lb/MW-hr or 5 ppmv	BAAQMD	С	СЕМ	Х	
	9-9-301.2				9-9-501				
NO _x	SIP	N		9 ppmv @ 15% O ₂ , dry	SIP	С	СЕМ	Х	
	9-9-301.3				9-9-501				
	NSPS, 40	Y		0.2 lb/MMBtu, 30-day	40 CFR	С	СЕМ	х	
	CFR 60.44			rolling average	60.48 (b) and		:		
	(a)(4)				BAAQMD				
					condition	,			
					#17154				
NO _x	NSPS, 40	Y		75 ppmv. @ 15% O ₂ . dry	40 CFR	С	СЕМ	х	
	CFR 60.332				60.334(c) and				
	(a)(1)				BAAQMD				
					Confition				
					17154, Part				
					39b				
		Y		None	40 CFR 75.10	С	СЕМ	Х	
NO _x	BAAQMD	Y		19.2 lb/hr, for each turbine	BAAQMD	С	СЕМ	Х	
	condition			and HRSG combined.	condition				
	#17154,			except during turbine	#17154,				
	part 22a			startup, shutdown, steam	part 39b				
				turbine cold start-up, or					
				combustor tuning period					
NO _x	BAAQMD	Y		19.2 lb/hr, for each turbine	BAAQMD	P/A	Source test	Х	
	condition			and HRSG combined,	condition		at maximum		
	#17154.			except during turbine	#17154,		load		
	part 22a			startup, shutdown, steam	part 43				
				turbine cold start-up, or					
				combustor tuning period					

			Future		Monitoring	Monitoring		Comp	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	IES	. 110
NO _x	BAAQMD	Y		0.00904 lb/MM BTU, for	BAAQMD	С	СЕМ	X	
	condition			each turbine and HRSG	condition				
	#17154,			combined, except during	#17154,				
	part 22a			turbine startup, shutdown,	part 39b				
	-			steam turbine cold start-up.					
				or combustor tuning period					
NO _x	BAAQMD	Y		0.00904 lb/MM BTU, for	BAAQMD	P/A	Source test	Х	
	condition			each turbine and HRSG	condition		at maximum		
	#17154,			combined, except during	#17154,		load		
	part 22a			turbine startup, shutdown,	part 43				
				steam turbine cold start-up.					
				or combustor tuning period]		
NO _x	BAAQMD	Y		2.5 ppmv, @ 15% O ₂ , dry,	BAAQMD	P/A	Source test	Х	
	condition			for each turbine and HRSG	condition		at maximum		
	#17154.			combined, 1-hr average	#17154,		load		
	part 22b			except during turbine	part 43				
				startup, shutdown, steam					
				turbine cold start-up, or					
				combustor tuning period					
NO_x	BAAQMD	Y		2.5 ppmv, @ 15% O ₂ , dry,	BAAQMD	С	CEM	X	
	condition			for each turbine and HRSG	condition				
	#17154,			combined, I-hr average	#17154.				
	part 22b		İ	except during turbine	part 39b				
			:	startup, shutdown, steam					
				turbine cold start-up, or					
				combustor tuning period					
NO,	BAAQMD	Y		240 lb/turbine during	BAAQMD	С	CEM	X	
	condition			start-up	condition		1		
	#17154,				#17154.				
	part 23				part 39b				
	BAAQMD	Y		80 lb/turbine during	BAAQMD	С	СЕМ	X	
	condition			shutdown	condition				
	#17154,				#17154.				
	рагт 23				part 39b				
	BAAQMD	Y		300 lb/turbine during steam	BAAQMD	С	СЕМ	X	
	condition		1	turbine cold start-up or	condition				
	#17154,			combustor tuning period	#17154.				
	part 23		[part 39b				

	, /g:		Future		Monitoring	Monitoring		Comp	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	143	110
NO_x	BAAQMD	Y		1990.8 lb/day for turbines	BAAQMD	С	СЕМ	Х	
	condition			and HRSGs combined	condition				
	#17154.			•	#17154,				
	part 36a				part 39b				
	BAAQMD	Y		240.2 ton/yr for turbines	BAAQMD	С	СЕМ	X	
	condition			and HRSGs combined	condition				
	#17154.				#17154,				
	part 37a				part 39b				
CO	BAAQMD	Y		46.75 lb/hr, for each turbine	BAAQMD	P/A	Source test	X	
	condition			and HRSG combined,	condition		at maximum		
	#17154.			except during turbine	#17154.		and	•	
	part 22c			startup, shutdown, steam	part 43		minimum		
				turbine cold start-up, or			load		
				combustor tuning period					
со	BAAQMD	Y		46.75 lb/hr, for each turbine	BAAQMD	С	СЕМ	Χ	
	condition			and HRSG combined.	condition				
	#17154.			except during turbine	#17154,				
	part 22c			startup, shutdown, steam	part 39b				
				turbine cold start-up, or					
				combustor tuning period					
	BAAQMD	Y		0.022 lb/MM BTU, for each	BAAQMD	P/A	Source test	Х	
	condition			turbine and HRSG	condition		at maximum		
	#17154,			combined, except during	#17154,		and		
	part 22c			turbine startup, shutdown,	part 43		minimum		
				steam turbine cold start-up.			load		
				or combustor tuning period					
	BAAQMD	Y		0.022 lb/MM BTU, for each	BAAQMD	С	СЕМ	Х	
	condition			turbine and HRSG	condition		}		
	#17154.			combined, except during	#17154,				
	part 22c			turbine startup, shutdown,	part 39b				
				steam turbine cold start-up,					
				or combustor tuning period					
СО	BAAQMD	Y		10 ppmv, @ 15% O ₂ , dry,	BAAQMD	С	СЕМ	Х	
	condition			for each turbine and HRSG	condition				
	#17154.			combined, 3-hr average	#17154.			Ì	
	part 22d			except during turbine	part 39b				
				startup, shutdown, steam					
				turbine cold start-up, or					
				combustor tuning period					

			Future		Monitoring	Monitoring		Comp	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	1 G	110
СО	BAAQMD	Y		10 ppmv, @ 15% O ₂ , dry.	BAAQMD	P/A	Source test	X	
	condition			for each turbine and HRSG	condition		at maximum		
	#17154,			combined, 3-hr average	#17154,		and		
	part 22d			except during turbine	part 43		minimum		
				startup, shutdown, steam			load		
				turbine cold start-up, or					
				combustor tuning period					
CO	BAAQMD	Y		2514 lb/turbine during	BAAQMD	С	CEM	X	
	condition			start-up	condition				
	#17154.				#17154.				
	part 23				part 39b				***************************************
CO	BAAQMD	Y		902 lb/turbine during	BAAQMD	С	СЕМ	X	
	condition			shutdown	condition]		
	#17154,				#17154,]		
	part 23				part 39b				
	BAAQMD	Y		9,750 lb/turbine during	BAAQMD	С	CEM	X	
	condition			steam turbine cold start-up	condition		İ		
	#17154.			or combustor tuning period	#17154.				
	part 23				part 39b				
CO	BAAQMD	Y		12,756.4 lb/day for turbines	BAAQMD	С	СЕМ	Х	
	condition			and HRSGs combined	condition		 .		
	#17154,				#17154,				
	part 36b				part 39b]		
CO	BAAQMD	Y		1,105.4 ton/yr for turbines	BAAQMD	С	CEM	X	
	condition			and HRSGs combined	condition				
	#17154.				#17154.				
	part 37b				part 39b				
CO_2		Y		None	40 CFR 75.10	С	fuel flow	Х	
			1				monitor and		
							CO ₂		
							calculation		
SO ₂	BAAQMD	Y		GLC ¹ of 0.5 ppm for 3 min		N		N/A	
_	9-1-301			or 0.25 ppm for 60 min or					
				0.05 ppm for 24 hours			[]		
	BAAQMD	Y		300 ppm (dry)		N		N/A	
	9-1-302								
	NSPS 40			0.2 lb/MMBtu, 24 hr		N		N/A	
	CFR 60.43a	<u> </u>		average except during					
	(b)(2)			startup, shutdown]		

			Future		Monitoring	Monitoring		Compl	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	165	
SO_2	NSPS	Y		0.015% (vol) @ 15% O ₂	NSPS-40	P/M	Fuel sulfur	х	
	40 CFR			(dry) or total sulfur content	CFR 60.334		content		
	60.333			of fuel less than or equal to	(h) (3) (ii)		testing		
				0.8% sulfur by weight	and				
				(8.000 ppmw)	BAAQMD				
					Condition				
					17154, Part				
					57				
SO_2		Y		None	40 CFR		Fuel	x	
					75.11, 40		measure-		
					CFR 75.		ments,		
					Appendix D.		calculations		
					part 2.3				
	BAAQMD	Y		Fuel sulfur content of 1.0	BAAQMD	P/M	Fuel testing	X	
	condition		i	gr/100 scf	condition				
	#17154.				#17154, part				
	part 14		:		57				
	BAAQMD	Y		18.42 ton/yr for turbines	BAAQMD	P/D	Fuel sulfur	X	
	condition			and HRSGs combined	condition		content		
	#17154.				#17154,		testing,		
	part 37e				part 40		natural gas	ł	
							usage		
							records.		
							calculations		
Opacity	BAAQMD	N		> Ringelmann No. 1 for no		N		N/A	
•	6-1-301			more than 3 minutes in any					
				hour					
Opacity	SIP	Υ .		> Ringelmann No. 1 for no		N		N/A	
. •	6-301			more than 3 minutes in any					
				hour					
FP	BAAQMD	N		0.15 grain/dscf		N		N/A	
-	6-1-310								
FP	SIP	Y		0.15 grain/dscf		N		N/A	
-	6-310	_							
	BAAQMD	N		0.15 grain/dscf @ 6% O ₂		N		N/A	
	6-1-310.3					-			
	SIP	Y	1	0.15 grain/dscf @ 6% O ₂		N		N/A	
	6-310.3	1				'			

			Future		Monitoring	Monitoring	1 1	Comp	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	163	
Opacity	BAAQMD	N		During tube cleaning,		N		N/A	
	6-1-304			Ringelmann No. 2 for 3					
				min/hr and 6 min/billion			,		
		<u> </u>		btu/24 hours					
Opacity	SIP 6-304	Y		During tube cleaning,		N		N/A	
				Ringelmann No. 2 for 3					
				min/hr and 6 min/billion					
				btu/24 hours					
PM ₁₀	BAAQMD	Y		9.0 lb/hr. for each turbine	BAAQMD	P/A	Source test	X	
	condition			and HRSG combined	condition		at maximum		
	#17154,				#17154,		load		
	part 22h				part 43				
PM_{10}	BAAQMD	Y		0.00424 lb/MM BTU, for	BAAQMD	P/A	Source test	X	
	condition			each turbine and HRSG	condition		at maximum		
	#17154.			combined	#17154,	ļ	load		
	part 22h				part 43				
PM_{10}	BAAQMD	Y		648 lb/day for turbines and	BAAQMD	P/D	Records.	X	
	condition			HRSGs combined	condition		calculations		
	#17154.	1			#17154,				
	part 36d				part 40				
	BAAQMD	Y		118.26 ton/yr for turbines	BAAQMD	P/D	Records.	X	
	condition			and HRSGs combined	condition		calculations		
	#17154,				#17154,				
	part 37d				part 40				
POC	BAAQMD	Y		5.33 lb/hr (as CH4) for each	BAAQMD	P/A	Source test	X	
	condition			turbine, and HRSG	condition		at maximum		
	#17154.			combined except during	#17154,		load		
	part 22f			turbine startup, shutdown,	part 43				
				steam turbine cold start-up,					
				or combustor tuning period					
POC	BAAQMD	Y		0.00251 lb/MM BTU (as	BAAQMD	P/A	Source test	Х	
	condition			CH4) for each turbine, and	condition		at maximum		
	#17154.			HRSG combined except	#17154,		load		
	part 22f			during turbine startup.	part 43				
				shutdown, steam turbine					
				cold start-up, or combustor					
				tuning period					

			Future		Monitoring	Monitoring		Comp	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type		
•	BAAQMD	Y		48 lb/turbine during	BAAQMD	P/D	Records,	X	
	condition			start-up	condition		calculations		
	#17154.		:		#17154,				
	part 23				part 40				
POC	BAAQMD	Y		16 lb/turbine during	BAAQMD	P/D	Records,	X	
	condition			shutdown	condition		calculations		
	#17154.				#17154,				
	part 23				part 40				
	BAAQMD	Y		96 lb/turbine during	BAAQMD	P/D	Records,	X	
	condition			steam turbine cold start-up	condition		calculations		
	#17154.			or combustor tuning period	#17154,				
	part 23				part 40				
	BAAQMD	Y		478.2 lb/day (as CH4) for	BAAQMD	P/D	Records.	Х	
	condition			turbines and HRSGs	condition		calculations		
	#17154.			combined	#17154.				
	part 36c				part 40				
POC	BAAQMD	Y		64.68 ton/yr for turbines	BAAQMD	P/D	Records,	Х	
	condition			and HRSGs combined	condition		calculations		
	#17154,				#17154,				
	part 37c				part 40				
NH ₃	BAAQMD	N		10 ppmv, @ 15% O ₂ , dry,	BAAQMD	С	Ammonia	Х	
	condition			averaged over 3 hrs for	condition		injection		
	#17154,			each turbine and HRSG	#17154,		rate monitor		
	Part 22e			combined except during	part 39c				
				turbine startup, shutdown,					
				steam turbine cold start-up,					
				or combustor tuning period					
Formal-	BAAQMD	N		5691 lb/yr for turbine and	BAAQMD	P/D	Records,	Х	
dehyde	condition			HRSGs combined	condition		calculations		
•	#17154,				#17154,				
	part 38a				part 41				
Formal-	BAAQMD	N		5691 lb/yr for turbine and	BAAQMD	P/every two	Source test	Х	
dehyde	condition			HRSGs combined	condition	years on P-			
	#17154.				#17154,	1, P-2, or			
	part 34a				part 44	P-3			
Benzene	BAAQMD	N		704 lb/yr for turbines.	BAAQMD	P/D	Records.	Х	
	condition	-		HRSGs, and auxiliary	condition		calculations		
	#17154,			boiler combined	#17154,				
	part 38b			,	part 41				

			Future		Monitoring	Monitoring		Comp	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	103	
	BAAQMD	N		704 lb/yr for turbines and	BAAQMD	P/every two	Source test	Х	
	condition			HRSGs combined	condition	years on P-			
	#17154.	}			#17154,	1, P-2, or			
	part 38b				part 45	P-3			
Specified	BAAQMD	N		120 lb/yr for turbines,	BAAQMD	P/D	Records,	Х	
PAH's	condition			HRSGs, and auxiliary	condition		calculations		
	#17154,			boiler combined	#17154,				
	Part 38c				part 41				
	BAAQMD	N		120 lb/yr for turbines and	BAAQMD	P/every two	Source test	Х	
	condition			HRSGs combined	condition	years on P-			
	#17154,				#17154,	1, P-2 , or			
	Part 38c				part 41	P-3			
Heat		Y		None	40 CFR 75.10	С	Fuel meter.	X	
input		ļ					firing		
limit							monitor,		
							calculations		
Heat	BAAQMD	Y		2,125 MM BTU/hr (HHV),	BAAQMD	С	Fuel meter.	Х	
input	condition			3-hr average for each	condition		firing		
limit	#17154,			Turbine and HRSG, total	#17154.		monitor.		
	part 15				part 39a		calculations		
	BAAQMD	Y		50,024 MM BTU/calendar	BAAQMD	С	fuel meter.	Х	•
	condition			day (HHV), for each	condition		firing		
	#17154,			Turbine and HRSG, total	#17154.		monitor.		
	part 16				part 39a		calculations		
Heat	BAAQMD	Y		53.188.532 MM BTU/yr	BAAQMD	С	fuel meter,	х	
Input	condition			(HHV) for S-1, S-3, S-5,	condition		firing		
Limit	#17154.	1		Turbines and S-2, S-4, S-6	#17154.		monitor.		
	part 17			HRSGs combined	part 39a		calculations		
Steam	BAAQMD	Y		30 hours per year per	BAAQMD	P/H	records	х	
turbine	condition			turbine	condition				
cold start-	#17154.				#17154.				
up or	part 24				part 62				
combus-									
tor tuning									

Table VII – B Applicable Limits and Compliance Monitoring Requirements S-9, COOLING TOWER

Type of	Citation of	FE	Future Effecti		Monitoring Requirement	Monitoring Frequency	Monitoring	Con	npliance
Limit	Limit	Y/N	ve Date	Limit	Citation	(P/C/N)	Type	Yes	No
Opacity	BAAQMD 6-1-301	N		> Ringelmann 1.0 for no more than 3 minutes in any hour		N .		N/A	
Opacity	SIP 6-301	Y		> Ringelmann 1.0 for no more than 3 minutes in any hour		N		N/A	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N		N/A	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N ·		N/A	
Drift Rate	BAAQMD condition #17154, part 58	Y		0.0005%	BAAQMD condition #17154, part 59	Р	Initial source test	Х	
Total Dissolved Solids	BAAQMD condition #17154, part 58	Y		5233 ppmw (mg/l)	BAAQMD condition #17154, part 58	P/D	Sampling and testing of cooling tower water	Х	

Table VII – C Applicable Limits and Compliance Monitoring Requirements S-10, FIRE PUMP DIESEL ENGINE

			Future		Monitoring	Monitoring	3.5	Con	npliance
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
Opacity	BAAQMD Regulation 6-303.1	N		Ringelmann 2.0 for 3 minutes in any hour		N		N/A	
Opacity	SIP Regulation 6-303.1	Y		Ringelmann 2.0 for 3 minutes in any hour		N		N/A	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N		N/A	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N		N/A	
SO ₂	BAAQMD 9-1-301	Y		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours		N		N/A	
SO ₂	BAAQMD 9-1-304	Y		Sulfur Content ≤0.5% by weight		N		N/A	
Reliability Related Hours	BAAQMD 9-8-330	N	1/1/12	100 hours until 1/1/12 50 hours after 1/1/12	9-8-502 9-8-530	P/E	Totalizing meter record keeping	Х	
Reliability Related Hours	BAAQMD Condition #22851, part 1	N		34 hours per calendar year	BAAQMD Condition #22851, part 3, 4	P/E	Totalizing meter record keeping	Х	

Table VII – D Applicable Limits and Compliance Monitoring Requirements S-11, NATURAL GAS FIRED EMERGENCY GENERATOR

Type of	Citation of	FE	Future Effecti		Monitoring Requirement	Monitoring Frequency	Monitoring	Con	apliance
Limit	Limit	Y/N	ve Date	Limit	Citation	(P/C/N)	Туре	Yes	No
Opacity	BAAQMD 6-1-303.1	N		< Ringelmann 2.0. except for no more than 3 minutes in any hour		N		N/A	
Opacity	SIP 6-303.1	Y		< Ringelmann 2.0, except for no more than 3 minutes in any hour		N		N/A	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N		N/A	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N		N/A	
SO ₂	BAAQMD Regulation 9-1-301	Y		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours		N		N/A	
SO ₂	BAAQMD Regulation 9-1-302	Y		300 ppm (dry)		N		N/A	
Reliability Related Hours	BAAQMD 9-8-330	N	1/1/12	100 hours until 1/1/12 50 hours after 1/1/12	9-8-502	P/E	Totalizing meter record keeping	Х	
Reliability Related Hours	BAAQMD Condition #21609. part I	Y		100 hours per calendar year	BAAQMD Condition #22231, part 2 and 3	P/E	Record keeping	Х	